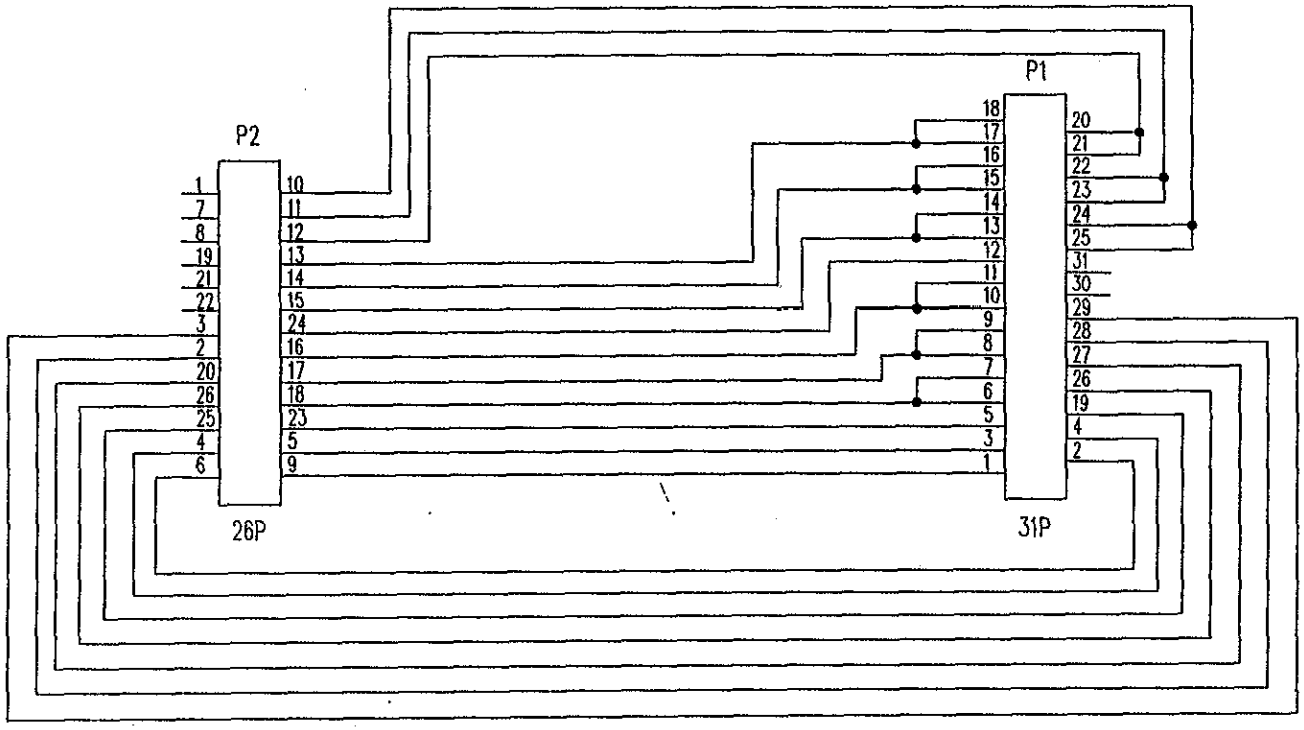

REV.	DESCRIPTION	BY	DATE
A	RELEASED ECN #4878	SLC	29FEB96

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UNLESS OTHERWISE SPECIFIED TOLERANCES ARE
.XX = ±
.XXX = ±
ANGLES = ±

DRAWN	SLC	29FEB96
DESIGNED	SLC	29FEB96
CHECKED	[illegible]	3/1/96
APPROVED	RL	3/1/96

INCHES — THIRD ANGLE PROJECTION

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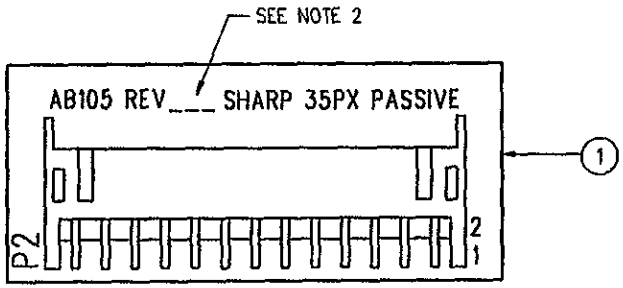
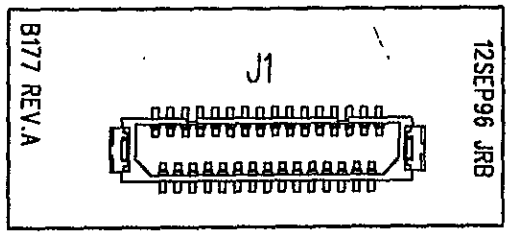
Invivo Research Inc.
PRECISION BIOMEDICAL INSTRUMENTS
12601 RESEARCH PARKWAY., ORLANDO, FL 32826

TITLE
SCHEMATIC: AB97 PCA, SHARP 321 LCD ACTIVE DISPLAY CABLE ADAPTER, 3500

CAD SCALE	SHEET	DWG. NO.	REV.
NONE	1 of 1	C85B209	A





NOTES

1. WORKMANSHIP TO CONFORM TO IPC CLASS II REQUIREMENTS.
2. USING INDELIBLE INK IN CONTRASTING COLOR, PLACE CURRENT ASSEMBLY REV. IN SPACE PROVIDED.

REV.	DESCRIPTION	BY	DATE
A	RELEASED, ECN#5264	JRB	16SEP96

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ITEM / REF. DES.	PART NO.	QTY.	DESCRIPTION
P2	PA290	1	CONN, 26P, DR. HDR, RA, SHRD, .079
J1	PA288	1	CONN, 31P, BD-BD. RCPT, .039, SMT.
1	B177	1	PCB, SHARP 35PX PASS.CABLE ADPT, REV.A

UNLESS OTHERWISE SPECIFIED TOLERANCES ARE
.XX = ± ——
.XXX = ± ——
ANGLES = ± ——

DRAWN	JRB	16SEP96
DESIGNED	JRB	13SEP96
CHECKED	GAS	19SEP96
APPROVED		

INCHES — THIRD ANGLE PROJECTION

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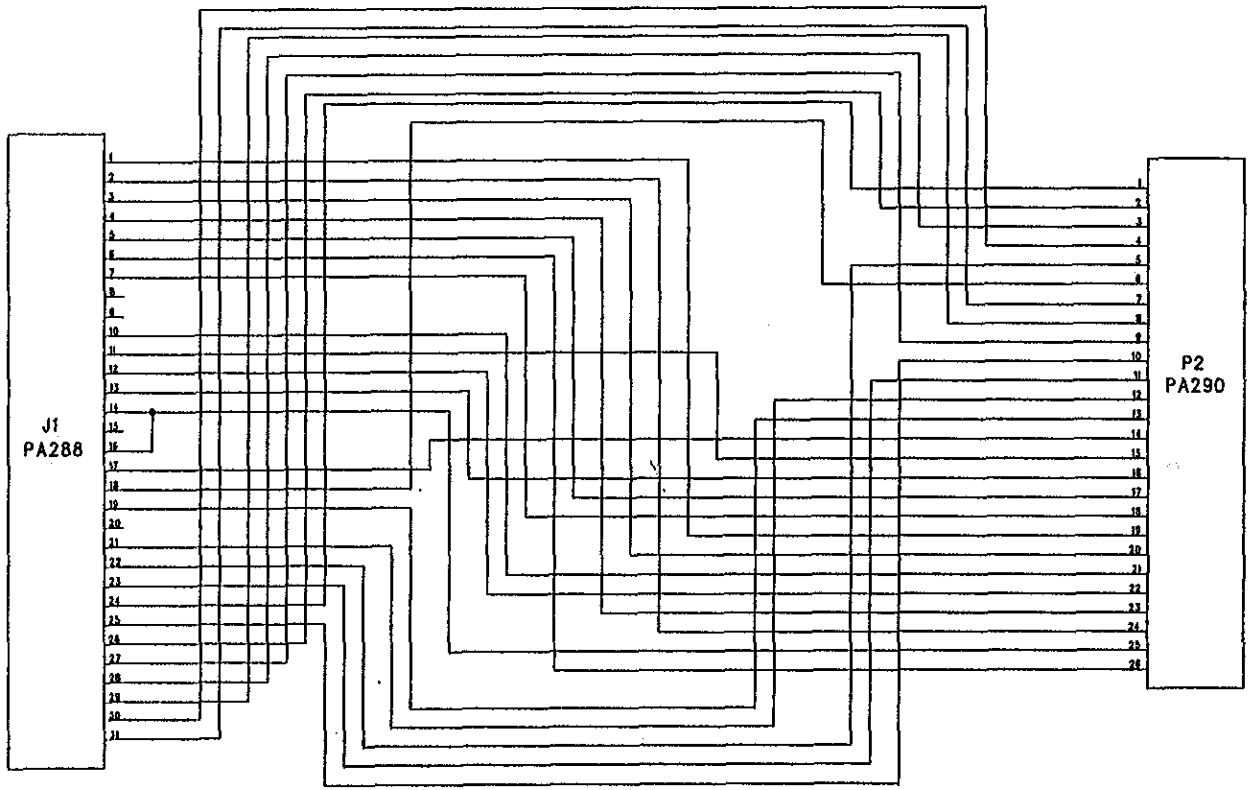
TITLE: ASSEMBLY: AB105
PCA, SHARP 35PX PASS.CABLE ADPT

CAD SCALE	SHEET	DWG. NO.	REV.
4 : 1	1 OF 1	C94C735	A



REV.	DESCRIPTION	BY	DATE
A	RELEASED, ECN#5264	JRB	11SEP96

DRAWN: ROGER BAKER — DATED: 11SEP96
CHECKED: GRB — DATED: 17SEP96
QUALITY CONTROL: — DATED: 9/12/96
RELEASED: — DATED: 17SEP96

COMPANY: INVIVO RESEARCH INC.
12601 RESEARCH PARKWAY, ORLANDO, FL 32826

TITLE: SCHEMATIC: AB105
PCA, SHARP 35PX PASS. CAB. ADPTR.

CODE:	SIZE:	DRAWING NO:	REV:
	C	C85B216	A

SCALE: NONE — SHEET: 1 OF 1

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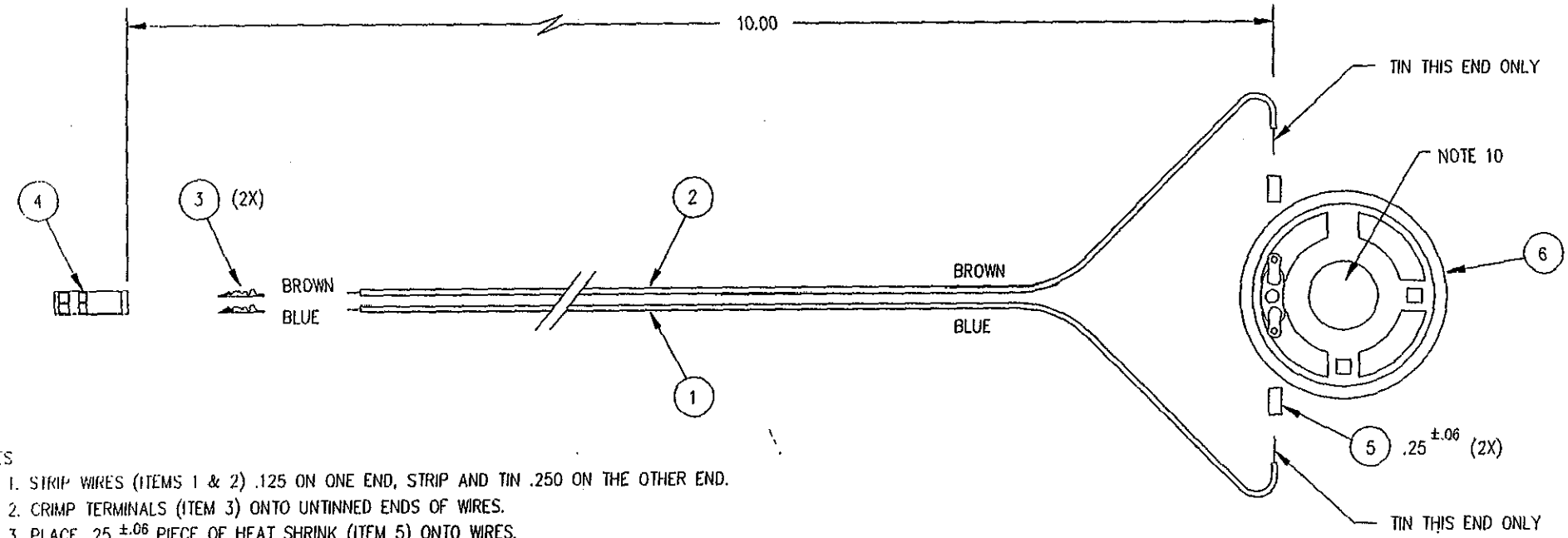

NOTES

1. STRIP WIRES (ITEMS 1 & 2) .125 ON ONE END, STRIP AND TIN .250 ON THE OTHER END.
2. CRIMP TERMINALS (ITEM 3) ONTO UNTINNED ENDS OF WIRES.
3. PLACE .25 ±.06 PIECE OF HEAT SHRINK (ITEM 5) ONTO WIRES.
4. J-HOOK ENDS OF WIRES AND SOLDER TO TERMINALS OF SPEAKER (ITEM 6).
5. ROUTE TO INSPECTION.
6. TWIST WIRES APPROXIMATELY TWO TURNS PER INCH.
7. INSERT TERMINALS INTO HOUSING.
8. APPLY HEAT SHRINK OVER SOLDER JOINTS.
9. TWIST WIRES APPROXIMATELY 3 TURNS PER INCH.
10. PRINT ASSEMBLY NUMBER, REVISION, LOT NUMBER, AND ASSEMBLER.INITIALS WHERE NOTED
11. ROUTE TO INSPECTION

ITEM / REF. DES.	PART NO.	QTY.	DESCRIPTION
6	HE54	1	SPEAKER, LOW PROFILE, SAMARIUM COLBOLT MAGNET
5	WT01	.50	HEAT SHRINK, 1/8" ID BLACK
4	PA21	1	HOUSING, SR, 2 PIN (.10)
3	PT07	2	CONTACT, LOCKING CLIP, 26-22 AWG, REEL
2	W007	10.50	WIRE, 22 GAGE 19 X 34 BROWN UL-1429
1	W010	10.50	WIRE, 22 GAGE 19 X 34 BLUE UL-1429

REV.	DESCRIPTION	BY	DATE
C	PER ECN #5143	CHY	7/8/96
B	PER ECN #4819	SR	2/14/96
A	RELEASE, ECN #4571	SR	10/13/95

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.XX = ± .25
.XXX = ± .015
ANGLES = ± —

DRAWN	SR	10/4/95
DESIGNED	RS	9/28/95
CHECKED	GRS	7/9/96
APPROVED	RLR	7/10/96

INCHES — THIRD ANGLE PROJECTION

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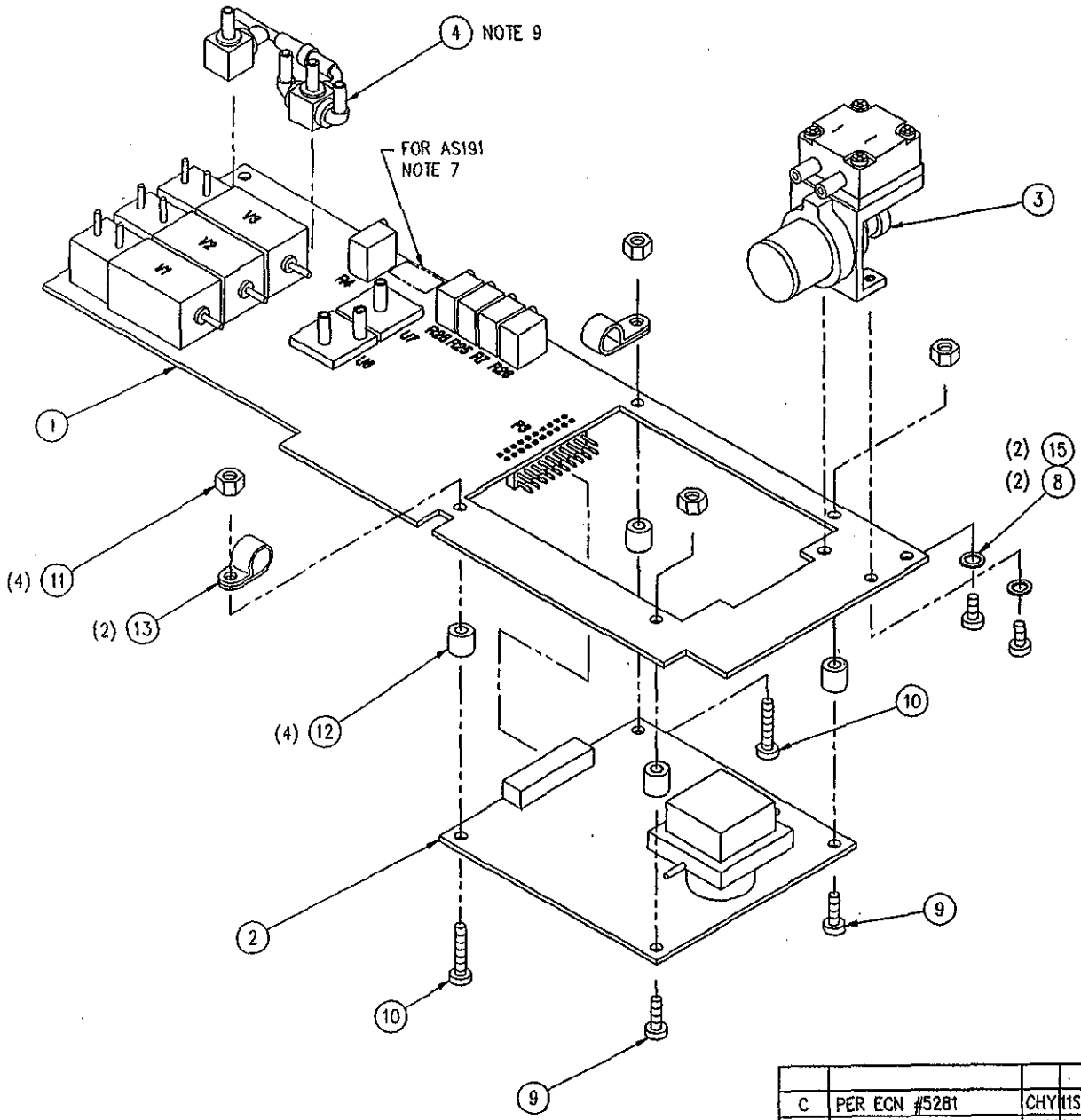
PRECISION BIOMEDICAL INSTRUMENTS
12601 RESEARCH PARKWAY., ORLANDO, FL 32826

TITLE
SUB-ASSEMBLY: AS137
ASSY, SPEAKER, 3500

CAD SCALE	SHEET	DWG. NO.	REV.
NONE	1 OF 1	C94B690	C



NOTES:

1. USE M050 (ITEM 18) ON ALL METAL THREADS.
2. ATTACH & ROUTE HP50 & HP51 (ITEMS 16 & 17), CUT TO LENGTHS NOTED. USE P/N M139, ALCOHOL TO PLACE .50 LENGTH OF P/N HP00, HOSE (ITEM 21) AT END OF HOSE NOTED, TO SERVE AS STRAIN RELIEF.
3. ATTACH & ROUTE AP37A MANIFOLD (ITEM 4), AP41A TEE ASSEMBLY (ITEM 5), AB41B TEE ASSEMBLY (ITEM 6) & HP68-7 TUBING ASSEMBLY (ITEM 7) PER PNEUMATICS TUBING LAYOUT.
4. SECURE AP42 PUMP ASSEMBLY (ITEM 3) TO AB91 ETCO2 PCA (ITEM 1) USING (2) NW12 WASHERS (ITEM 15) & (2) NS04 SCREWS (ITEM 18).
5. PLUG HP91 GAS ANALYZER (ITEM 2) INTO AB91 PCA AND SECURE BOARD USING (4) HS53 SPACERS (ITEM 12), (2) NS83 SCREWS (ITEM 9). (2) NS57 SCREWS (ITEM 10), (2) HC01 CLAMPS (ITEM 13) & (4) N009 NUTS (ITEM 11).
   NOTE: ROUTE HOSES THROUGH CLAMPS AS SHOWN.
6. MAKE HOSE CONNECTIONS TO AP42 PUMP & HP91 GAS ANALYZER.
7. USING INDELIBLE INK IN CONTRASTING COLOR, PLACE ASSEMBLY NUMBER REVISION, AND LOT NUMBER IN SPACE PROVIDED ON SOLDER SIDE.
8. ROUTE TO INSPECTION & TEST.
9. SECURE AP37A MANIFOLD TO BOARD AT POSITION SHOWN USING M107 TAK-PAK ADHESIVE (ITEM 19).
10. PACKAGE FOR STOCK & ROUTE TO INSPECTION.

ITEM / REF. DES.	PART NO.	QTY.	DESCRIPTION
21	HP00	1.0"	HOSE, NEO, PATIENT, .250 x .125
20	M008A	REF.	ADHESIVE/SEALANT, RTV, CLEAR, #732
19	M107	REF.	ADHESIVE,LOCTITE TAK-PAK, #382
18	M050	REF.	LOCTITE, ASSURE, 42540
17	HP51	8.6"	TUBING, .09 X .15 X .03, CLEAR
16	HP50	12.0"	TUBING, .06 I.D. x .12 O.D. x .03, CLEAR
15	NW12	2	WASHER, #4 X .125 X .312 X .030
14			
13	HC01	2	CLAMP, 1/4" - NX2
12	HS53	4	SPACER, #4 X .188 O.D. X .238 LG. - NY
11	N009	4	NUT, HEX, #4-40, NY
10	NS57	2	SCR., #4-40 X 1/2 LG. PHMS - NY
9	NS83	2	SCR., #4-40 X 5/8 LG. PHMS - NY
8	NS04	2	SCR., #4-40 X 1/4 LG. PHMS-XR, ZN
7	HP68-7	1	ASSEMBLY, TUBING, CO2
6	AP41B	1	ASSEMBLY, TEE, TUBING, CO2, PUMP IN
5	AP41A	1	ASSEMBLY, TEE, TUBING, CO2, PUMP OUT
4	AP37A	1	ASSEMBLY, MANIFOLD, CO2
3	AP42	1	ASSEMBLY, PUMP, CO2 - 3500
2	HP91	1	GAS ANALYZER, SIDESTREAM, (I.R. BENCH)
1	AB91	1	PCA, ETCO2 PNEUMATICS CONT., 3500

REV.	DESCRIPTION	BY	DATE
C	PER ECN #5281	CHY	11SEP96
B	PER ECN #5261	CHY	26AUG96
A	RELEASED, ECN #5177	RJH	8/7/96

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.XXX = ± —
ANGLES = ± —

DRAWN	CHR SB	6/19/96
DESIGNED	JackC	3/15/96
CHECKED		
APPROVED		

INCHES — THIRD ANGLE PROJECTION

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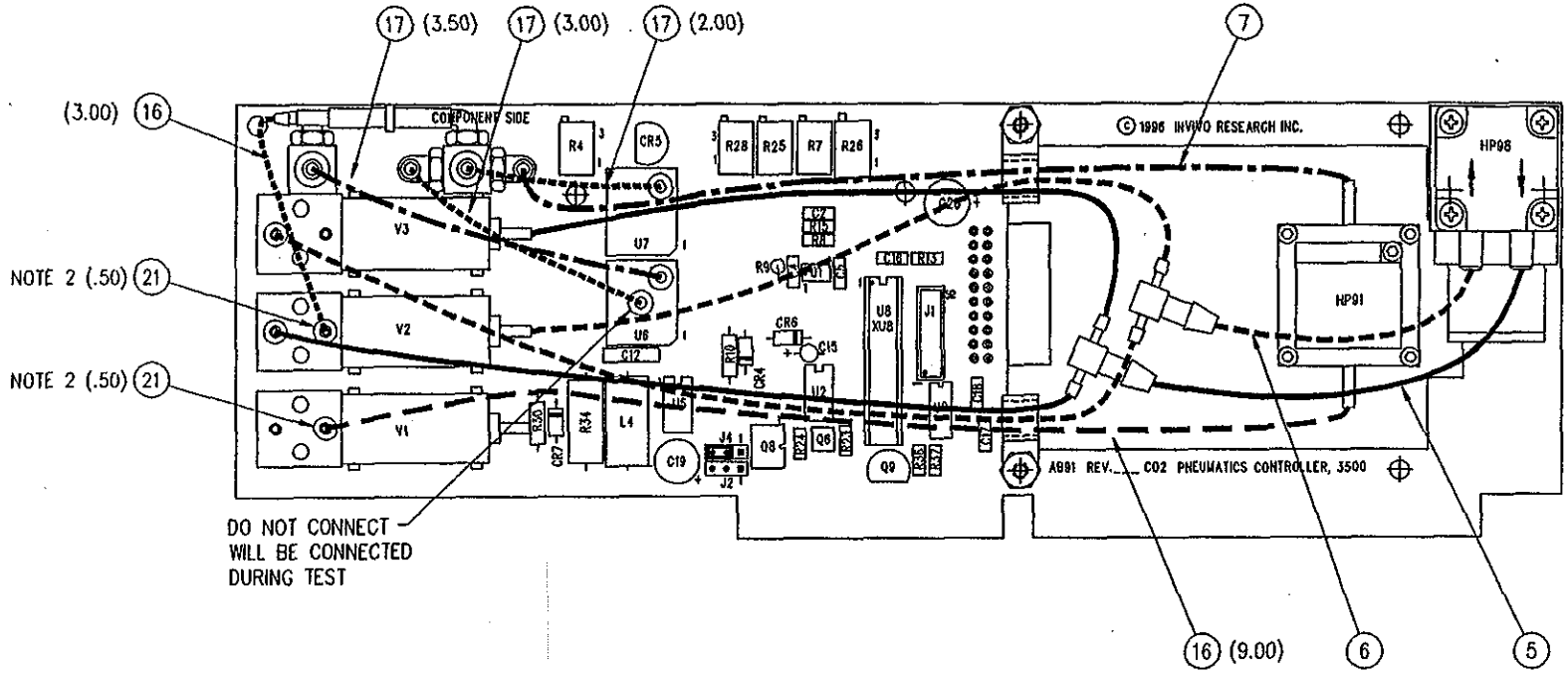
12601 RESEARCH PARKWAY., ORLANDO, FL 32826

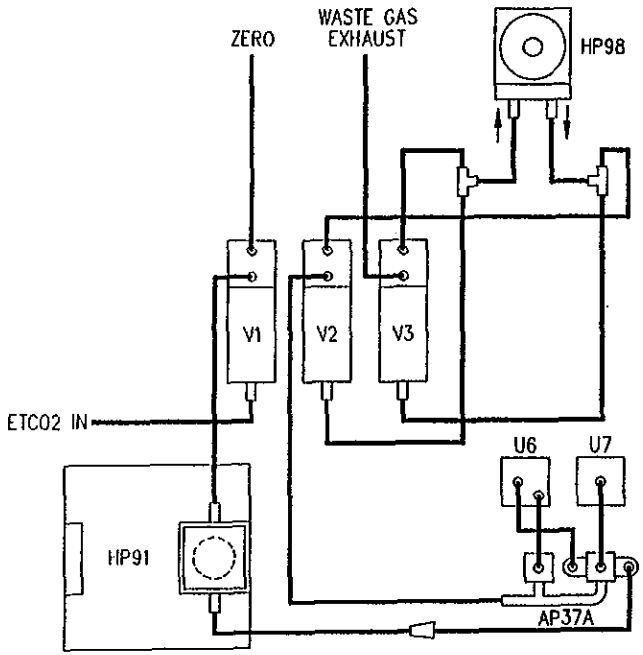
TITLE
ASSEMBLY: AS191
END-TIDAL CO2 MODULE

CAD SCALE	SHEET	DWG. NO.	REV.
1 : 1	1 of 2	C94C720	C



PNEUMATICS TUBING LAYOUT

CAD SCALE 1.5:1



SCHEMATIC DIAGRAM

REV.	DESCRIPTION	BY	DATE
A	SEE SHEET 1		

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.XX = ± .06
.XXX = ± —
ANGLES = ± —

DRAWN	RLM	7/19/96
DESIGNED		3/15/96
CHECKED		
APPROVED		

INCHES — THIRD ANGLE PROJECTION

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12601 RESEARCH PARKWAY., ORLANDO, FL 32826

TITLE
ASSEMBLY: AS191
END-TIDAL CO2 MODULE

CAD SCALE	SHEET	DWG. NO.	REV.
1 : 1	2 : 2	C94C720	C